



Mod-0037.ST25.txt
SEQUENCE LISTING

<110> Jarrell, Kevin A.
Vishwanath, Prashanth
Smith, Temple
Short, Glenn F.

<120> Alien Sequences

<130> 2003320-0036

<140> 10/763,039
<141> 2004-01-22

<160> 166

<170> PatentIn version 3.2

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ccagggaatg cttctggag acagagcaga tgacaatacc agtgaccaca cgatagtcg 180
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<213> Alien to Mouse cDNA

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<213> Alien to Mouse cDNA

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<213> Alien to Mouse cDNA

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<212> DNA

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<213> Alien to Mouse cDNA

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Mod-0037.ST25.txt

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<213> Alien to Mouse cDNA

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Mod-0037.ST25.txt

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acggtgtcgg cctaa 375

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<211> 135
<212> DNA
<213> Alien to Mouse cDNA

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<211> 231
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<400> 36
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gctgaagccc tgccaatgaa gaacttcagc tgtccggtgc tggaggagag ttccctttac 180
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<210> 37
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<212> DNA
<213> Alien to Mouse cDNA

<400> 37
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Mod-0037.ST25.txt

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<213> Alien to Mouse cDNA

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<210> 39
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<212> DNA

<213> Alien to Mouse cDNA

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<210> 40
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<213> Alien to Mouse cDNA

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<210> 41
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<213> Alien to Mouse cDNA

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Mod-0037.ST25.txt

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gaattaatgc gctgtgcgca tagaggaaag ggcacccgta ccacgcgctg tcttatcact 180
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gcttcccaca cttggggcaa tgattag 267

<210> 43
<211> 210
<212> DNA
<213> Alien to Mouse cDNA

<400> 43
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<210> 44
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<213> Alien to Mouse cDNA

<400> 44
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Mod-0037.ST25.txt

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cgcagagtga ctgagtcgtt tttcttagtg cacggttctc tctctccacg tcggtgccctg	900
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<213> Alien to Mouse cDNA

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<210> 47
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<212> DNA
<213> Alien to Mouse cDNA

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Mod-0037.ST25.txt

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Mod-0037.ST25.txt

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 <213> Alien to Mouse cDNA

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 ccggtcatga gagccttgat taatggtggg acgtaa 156

<210> 54
 <211> 225
 <212> DNA
 <213> Alien to Mouse cDNA

<400> 54
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<210> 55
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 <212> DNA
 <213> Alien to Mouse cDNA

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Mod-0037.ST25.txt

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cgagaagaaa tctgggctgc ctga 264

<210> 57
<211> 327
<212> DNA
<213> Alien to Mouse cDNA

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<212> DNA
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<210> 59
<211> 339
<212> DNA
<213> Alien to Mouse cDNA

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Mod-0037.ST25.txt

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<212> DNA

<213> Alien to Mouse cDNA

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<212> DNA

<213> Alien to Mouse cDNA

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<210> 62

<211> 666

<212> DNA

<213> Alien to Mouse cDNA

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Mod-0037.ST25.txt

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	ggactgtggc	cccagaagcc	gtacctgatt	tggagaatca	gggtggaaaa	gacccacgaa	1260
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<210> 64

Mod-0037.ST25.txt

<211> 306

<212> DNA

<213> Alien to Mouse cDNA

<400> 64

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<211> 264

<212> DNA

<213> Alien to Mouse cDNA

<400> 65

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tttctcgagg atgattccag aagtaagccg acggagagaa ccggccttcc tgtggagatc 120
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<210> 66

<211> 285

<212> DNA

<213> Alien to Mouse cDNA

<400> 66

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<210> 67

<211> 663

<212> DNA

<213> Alien to Mouse cDNA

<400> 67

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180

Mod-0037.ST25.txt

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ctagacctgg	ttgaccatgc	tgagtcttac	ccaatgata	tgggagattt	tgggggcacg	180
cccaccaaga	attcaataca	gacccaggc	ggatcgatct	acggcctggc	tcagagggac	240
atcagcttta	aattaatgtc	catgtccagc	agtttggaa	atgtggaaag	gtatgcagcc	300

Mod-0037.ST25.txt

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<211> 489
<212> DNA
<213> Alien to Mouse cDNA

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<212> DNA
<213> Alien to Mouse cDNA

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ctggagacct ggtctccctg gattatctgg ctcaatctta agggatggcc ctgcccgtac	240
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<210> 73
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<213> Alien to Mouse cDNA

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gggcacatca cgttggagta g	141

Mod-0037.ST25.txt

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<213> Alien to Mouse cDNA

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<210> 76
<211> 123
<212> DNA
<213> Alien to Mouse cDNA

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tga 123

<210> 77
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<212> DNA
<213> Alien to Mouse cDNA

<400> 77
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actgtactgg tgccaaagga ttgtcttagt gtgttaaga gttccatgaa cggctga 177

<210> 78
<211> 174
<212> DNA
<213> Alien to Mouse cDNA

<400> 78
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Mod-0037.ST25.txt

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<210> 79

<211> 363

<212> DNA

<213> Alien to Mouse cDNA

<400> 79

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caatgctgct atggttcaa cagcaaaggc cgctctgtcc gggcactgga attcgtgtgt 300

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tga 363

<210> 80

<211> 462

<212> DNA

<213> Alien to Mouse cDNA

<400> 80

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tgggtcacgc tgcacgttgc gaagaagcag gccccacgt gttggctgct ctccaccgccc 240

aactaaaaat tccttccatc ccagttgcaa ccggaggcag atcggaaactt ttgttagctct 300

gattaccacc gcactctccc ttgtgcgcag gctatcatca caaatttggaa gctgaaaatc 360

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atagtgccat tgcacgttgc agaggaccgc tttattgggt ag 462

<210> 81

<211> 168

<212> DNA

<213> Alien to Mouse cDNA

<400> 81

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agcctgaaaa tgcagatgcg gaaccgtcac ccggatcttc agaaatag 168

<210> 82

<211> 207

Mod-0037.ST25.txt

<212> DNA
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atttgtgagg agcattccct tcattcatca ccgaggcaga ccgcctcctc ccagttctac 180
tcaccgagac tcaactccta cgagtaa 207

<210> 83
<211> 144
<212> DNA
<213> Alien to Mouse cDNA

<400> 83
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agtactgaat ttccctcgcccc gtag 144

<210> 84
<211> 132
<212> DNA
<213> Alien to Mouse cDNA

<400> 84
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gtgatattgt ga 132

<210> 85
<211> 192
<212> DNA
<213> Alien to Mouse cDNA

<400> 85
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ctgaagttat ga 192

<210> 86
<211> 492
<212> DNA
<213> Alien to Mouse cDNA

<400> 86
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Mod-0037.ST25.txt

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<210> 87

<211> 222

<212> DNA

<213> Alien to Mouse cDNA

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ggcaactccc gcaaagacag tgttcaggt ccatgcccta agatgaggca gaagtggac	180
tggggacccc gagaaggagt ggctcgacca ggagaattct ag	222

<210> 88

<211> 150

<212> DNA

<213> Alien to Mouse cDNA

<400> 88

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<211> 297

<212> DNA

<213> Alien to Mouse cDNA

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cctgactccc gggcggcctc ttactccag ctctctgtcc agaagtatcg aacaacagcg	180
atgtgcctgc ctgtgtccat gtctagtaat ctggtctcca tggagcagcg gttccggcac	240
aagctcatcc agtggcggtt gtgtctgaga atgtctagtc taaccattat gtcata	297

<210> 90

<211> 129

Mod-0037.ST25.txt

<212> DNA

<213> Alien to Mouse cDNA

<400> 90

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gaggaatga 129

<210> 91

<211> 123

<212> DNA

<213> Alien to Mouse cDNA

<400> 91

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gcccggcagg gtggggccaa gcgtggcaag caggtgaagc catggttcaa gcaattggaa 120
tga 123

<210> 92

<211> 435

<212> DNA

<213> Alien to Mouse cDNA

<400> 92

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tcccccagtg cctga 435

<210> 93

<211> 198

<212> DNA

<213> Alien to Mouse cDNA

<400> 93

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agccaccagg caatcgccac ggcgtccgg gagctcatgc taacccttggaa cccctcgcc 180
aaaggaccgg ggtattga 198

<210> 94

Mod-0037.ST25.txt

<211> 726

<212> DNA

<213> Alien to Mouse cDNA

<400> 94

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<210> 95

<211> 159

<212> DNA

<213> Alien to Mouse cDNA

<400> 95

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atggtggcca tgaaggacca gaaagacgcc ttttgctga 159

<210> 96

<211> 318

<212> DNA

<213> Alien to Mouse cDNA

<400> 96

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gacttctacc tgccgtaa 318

Mod-0037.ST25.txt

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<213> Alien to Mouse cDNA

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<211> 132
<212> DNA
<213> Alien to Mouse cDNA

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aaaatgcqgt aa 132
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<210> 99
<211> 441
<212> DNA
<213> Alien to Mouse cDNA

<400> 99
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ccaaatgacg tgaatatggt gatccccctc aaaagacgtg cgctgacgaa cacctatggg 180
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Mod-0037.ST25.txt

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ttgactgccc ttcgcacatctg a 441

<210> 100

<211> 70

<212> DNA

<213> Oligonucleotides identified according to the present invention as alien to mouse cDNA and useful for hybridization applications.

<400> 100

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gaaaacacctca 70

<210> 101

<211> 70

<212> DNA

<213> Oligonucleotides identified according to the present invention as alien to mouse cDNA and useful for hybridization applications.

<400> 101

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<210> 102

<211> 70

<212> DNA

<213> Oligonucleotides identified according to the present invention as alien to mouse cDNA and useful for hybridization applications.

<400> 102

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<210> 103

<211> 70

<212> DNA

<213> Oligonucleotides identified according to the present invention as alien to mouse cDNA and useful for hybridization applications.

<400> 103

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gtcaccagag 70

<210> 104

<211> 70

<212> DNA

<213> Oligonucleotides identified according to the present invention as alien to mouse cDNA and useful for hybridization applications.

<400> 104

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Mod-0037.ST25.txt

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<210> 105
<211> 70
<212> DNA
<213> Oligonucleotides identified according to the present invention as alien to mouse cDNA and useful for hybridization applications.

<400> 105
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aggccataacc 70

<210> 106
<211> 70
<212> DNA
<213> Oligonucleotides identified according to the present invention as alien to mouse cDNA and useful for hybridization applications.

<400> 106
agcccacata tagcccacgc ggggtgtcgac aacatatgtc gtatgcgagt aacgtttcg 60
tttgagatgg 70

<210> 107
<211> 70
<212> DNA
<213> Oligonucleotides identified according to the present invention as alien to mouse cDNA and useful for hybridization applications.

<400> 107
atactacttt tgggtatgct agctacgtag tacccttcaa tagccgtcgc ttggtctctt 60
gcgcgtcacg 70

<210> 108
<211> 70
<212> DNA
<213> Oligonucleotides identified according to the present invention as alien to mouse cDNA and useful for hybridization applications.

<400> 108
catctatcta tgtaagttac cggcatgggt tatggattcg tggaccgcga tgtgacgtag 60
gggtttccac 70

<210> 109
<211> 70
<212> DNA
<213> Oligonucleotides identified according to the present invention as alien to mouse cDNA and useful for hybridization applications.

<400> 109
cattttaccg ttaccggaa gcgtgtgtgt cttaatttgc gcgtacccag tgttgagaac 60
gacggaacag 70

Mod-0037.ST25.txt

<210> 110

<211> 70

<212> DNA

<213> Oligonucleotides identified according to the present invention as alien to mouse cDNA and useful for hybridization applications.

<400> 110

ccatccgggc cataagttta tagtagcgat tgtttgccc ctaccagcga atcgcgccc 60

gttagtaatc

70

<210> 111

<211> 70

<212> DNA

<213> Oligonucleotides identified according to the present invention as alien to mouse cDNA and useful for hybridization applications.

<400> 111

cccgagcttg cgctagtagc attatgtacc gctatgtcaa tttgacgccc tcgcactg 60

gcactttatt

70

<210> 112

<211> 70

<212> DNA

<213> Oligonucleotides identified according to the present invention as alien to mouse cDNA and useful for hybridization applications.

<400> 112

ccggctcggt gtcaccgcgg aagtacctt gagtatcgca cttatcggt ttaacctg 60

cgtaactaaa

70

<210> 113

<211> 70

<212> DNA

<213> Oligonucleotides identified according to the present invention as alien to mouse cDNA and useful for hybridization applications.

<400> 113

ccttggatgg gtaaattccc tcgtctacgc gtaacaactg aacgcgtacg gcgacgg 60

caggaaattt

70

<210> 114

<211> 70

<212> DNA

<213> Oligonucleotides identified according to the present invention as alien to mouse cDNA and useful for hybridization applications.

<400> 114

cctttccgtg ttactcggtt ggcaaggacg cctcgtacca tctttgatag atgtat 60

gtaaattcgg

70

<210> 115

<211> 70

Mod-0037.ST25.txt

<212> DNA
<213> Oligonucleotides identified according to the present invention as alien to mouse cDNA and useful for hybridization applications.

<400> 115
cgcgaccccg actggtagtt gcgcgctcg attaccgagt tcacatcgca tgtactacat 60
tagagaaaata 70

<210> 116
<211> 70
<212> DNA
<213> Oligonucleotides identified according to the present invention as alien to mouse cDNA and useful for hybridization applications.

<400> 116
cggccacaaac tctcaggacg catataagac gcggaaaggc atacacgtct acttagagac 60
accgagactt 70

<210> 117
<211> 70
<212> DNA
<213> Oligonucleotides identified according to the present invention as alien to mouse cDNA and useful for hybridization applications.

<400> 117
ctgcttaacc gttccagagg ggcgttcgta tcaaaaaggg tgcgatttcg atcacgtcgc 60
agtgactcat 70

<210> 118
<211> 70
<212> DNA
<213> Oligonucleotides identified according to the present invention as alien to mouse cDNA and useful for hybridization applications.

<400> 118
gaatggcatc aacggcgctg tacatagtct tctcgcttac ataatagcgc tagttgatag 60
gaaccagggg 70

<210> 119
<211> 70
<212> DNA
<213> Oligonucleotides identified according to the present invention as alien to mouse cDNA and useful for hybridization applications.

<400> 119
gagctgcaca cccgcagaca tcatagttag tgtaatcacg cacgtgacca gttAACCCat 60
ttcgtggaga 70

<210> 120
<211> 70
<212> DNA
<213> Oligonucleotides identified according to the present invention as alien to mouse cDNA and useful for hybridization applications.

Mod-0037.ST25.txt

<400> 120
gatggattca cgaacgagca cttagtaacg cctggtaactg acatcttatt gcacgtatg 60
gagagcctgg 70

<210> 121
<211> 70
<212> DNA
<213> Oligonucleotides identified according to the present invention as alien to mouse cDNA and useful for hybridization applications.

<400> 121
gcaacgacca gctacctgtt aaccgtatat cagagtcgaa tgctcgcgtt actgttcgaa 60
gtactcatcg 70

<210> 122
<211> 70
<212> DNA
<213> Oligonucleotides identified according to the present invention as alien to mouse cDNA and useful for hybridization applications.

<400> 122
gcagaattcc taaccatgca agcgtggcga ctcgtctctc gcaaagttct atacgaatca 60
gcgatgggta 70

<210> 123
<211> 70
<212> DNA
<213> Oligonucleotides identified according to the present invention as alien to mouse cDNA and useful for hybridization applications.

<400> 123
gccctctcgt cccacgttcg ctcgtttgt tgacactact gacgggtatc cctctaaata 60
cttctctttt 70

<210> 124
<211> 70
<212> DNA
<213> Oligonucleotides identified according to the present invention as alien to mouse cDNA and useful for hybridization applications.

<400> 124
gcctcttcga tggggtccgt ctggtcagta ccgacgaaaa tgcgacggta gatgtcagaa 60
ttgattctgt 70

<210> 125
<211> 70
<212> DNA
<213> Oligonucleotides identified according to the present invention as alien to mouse cDNA and useful for hybridization applications.

<400> 125
gcgggctctt gtgcaaactt atggggctag tgactcgggt gtagcacgtt ttgcgaagac 60

Mod-0037.ST25.txt

taagacagta	70
<210> 126	
<211> 70	
<212> DNA	
<213> Oligonucleotides identified according to the present invention as alien to mouse cDNA and useful for hybridization applications.	
<400> 126	
gcgtctatga caggtcgggc acttaggcgg cgacgcttga tgtttgagtc gcagatatta	60
gtttataagg	70
<210> 127	
<211> 70	
<212> DNA	
<213> Oligonucleotides identified according to the present invention as alien to mouse cDNA and useful for hybridization applications.	
<400> 127	
gctatctaac gcggtcttgc caatactacg aatggttgct acaggatatac gagtaccgca	60
aaatgggggc	70
<210> 128	
<211> 70	
<212> DNA	
<213> Oligonucleotides identified according to the present invention as alien to mouse cDNA and useful for hybridization applications.	
<400> 128	
ggggcaact ctccaaccga gcgtaatcc agcgattatt atcctactcc atactattag	60
cgggtatacg	70
<210> 129	
<211> 70	
<212> DNA	
<213> Oligonucleotides identified according to the present invention as alien to mouse cDNA and useful for hybridization applications.	
<400> 129	
ggtacgaatc tcccattgca tggacaataata tagtccacgc attggacgca cccaccgatg	60
gctctccaat	70
<210> 130	
<211> 70	
<212> DNA	
<213> Oligonucleotides identified according to the present invention as alien to mouse cDNA and useful for hybridization applications.	
<400> 130	
ggtcgtaccc aacctgacac gagatgtcgg cgctcggttc gattggacgaa tcggatata	60
gatcaagcaa	70

Mod-0037.ST25.txt

<210> 131

<211> 70

<212> DNA

<213> Oligonucleotides identified according to the present invention as alien to mouse cDNA and useful for hybridization applications.

<400> 131

ggttgttcca tgtactcgat actacacctt catcaggtgt atacgcccgtt ttggatgggc 60

gttcggcaaa

70

<210> 132

<211> 70

<212> DNA

<213> Oligonucleotides identified according to the present invention as alien to mouse cDNA and useful for hybridization applications.

<400> 132

gtgccaccccc aattagtctt ttgtccgggc caagagtacg acaacggggt attttggtac 60

tatatcccac

70

<210> 133

<211> 70

<212> DNA

<213> Oligonucleotides identified according to the present invention as alien to mouse cDNA and useful for hybridization applications.

<400> 133

gttaagggtc tcgaaagatt tctactctcg acgtaccgtt ggcagcgcac taagaacggg 60

taatgtgctg

70

<210> 134

<211> 70

<212> DNA

<213> Oligonucleotides identified according to the present invention as alien to mouse cDNA and useful for hybridization applications.

<400> 134

gttaggcact tgcgctcaa gcgcgcaaac cctaattacg ttctgtccac gcgctaggga 60

tattcgatata

70

<210> 135

<211> 70

<212> DNA

<213> Oligonucleotides identified according to the present invention as alien to mouse cDNA and useful for hybridization applications.

<400> 135

taagatgcct gacgaaaaag tcccggttac ccacaacggg aagcgtgtac tagatagttc 60

ccttagcgcc

70

<210> 136

<211> 70

Mod-0037.ST25.txt

<212> DNA
<213> Oligonucleotides identified according to the present invention as alien to mouse cDNA and useful for hybridization applications.

<400> 136
taattttggg ttgtcgaggc ataaactggt atgctcgctc cgctcgacga gcggttgaac 60
gcctatcgct 70

<210> 137
<211> 70
<212> DNA
<213> Oligonucleotides identified according to the present invention as alien to mouse cDNA and useful for hybridization applications.

<400> 137
tattggccgc ggcgctaact tatatcgaga gatgtctagt ttccccaccc gttacatatt 60
ctacggggag 70

<210> 138
<211> 70
<212> DNA
<213> Oligonucleotides identified according to the present invention as alien to mouse cDNA and useful for hybridization applications.

<400> 138
tattttccgg tactgagtgg aacgacatga agttggcggt caggtcgtta tttcgcagcc 60
acgcaccact 70

<210> 139
<211> 70
<212> DNA
<213> Oligonucleotides identified according to the present invention as alien to mouse cDNA and useful for hybridization applications.

<400> 139
tcagatgtcg ttattaacgg gaaggatcc ggttcactat cacggcgatt acttcgcgtt 60
gcgaaaggc 70

<210> 140
<211> 70
<212> DNA
<213> Oligonucleotides identified according to the present invention as alien to mouse cDNA and useful for hybridization applications.

<400> 140
tccggctccg cagacggttt aactcgaacc ttaaaagtgc tgtgaagcta cttcgagacc 60
atgcgcctt 70

<210> 141
<211> 70
<212> DNA
<213> Oligonucleotides identified according to the present invention as alien to mouse cDNA and useful for hybridization applications.

Mod-0037.ST25.txt

<400> 141
tctgttaccc acattgtcac cacttgacag ggcgcacggc gtttgtaaag cgactagcta 60
cgcaggata 70

<210> 142
<211> 70
<212> DNA
<213> Oligonucleotides identified according to the present invention as alien to mouse cDNA and useful for hybridization applications.

<400> 142
tggagatgcg aacgttggga gtatcaatcc ccggtgcaac cccctaattcc gacatgccgc 60
aagtatata 70

<210> 143
<211> 70
<212> DNA
<213> Oligonucleotides identified according to the present invention as alien to mouse cDNA and useful for hybridization applications.

<400> 143
tgggcgccta gagccagcat attacaggcg agctgtttc gcgtctctaa tgacgtgtac 60
gcgattctat 70

<210> 144
<211> 70
<212> DNA
<213> Oligonucleotides identified according to the present invention as alien to mouse cDNA and useful for hybridization applications.

<400> 144
tgttagacagg ggcgcgattgt atggacagt ttacgcacta accgactcta caatgttagtg 60
tttgcggc 70

<210> 145
<211> 70
<212> DNA
<213> Oligonucleotides identified according to the present invention as alien to mouse cDNA and useful for hybridization applications.

<400> 145
ttccgcatga gatcaacgcg tggtaatac gtgttaagaa ccggtcgacg ccagctagac 60
ctaattgcgtt 70

<210> 146
<211> 70
<212> DNA
<213> Oligonucleotides identified according to the present invention as alien to mouse cDNA and useful for hybridization applications.

<400> 146
tttcgactgg gggtaacaaag ctcccttattt gccgttcacg aagctacata ctggtcttagc 60

Mod-0037.ST25.txt

gcgtgcacaa	70
<210> 147	
<211> 47	
<212> DNA	
<213> 10 Ng of alien B was PCR amplified with a forward primer and a reverse primer	
<400> 147	
ttcttaatacg actcactata gggcatctat ctatgtcagt taccggc	47
<210> 148	
<211> 48	
<212> DNA	
<213> Polymerase sequence	
<400> 148	
tttttttttt tttttttttt ttttctata actgaggtga tttccgac	48
<210> 149	
<211> 70	
<212> DNA	
<213> Alien oligonucleotides were first shown to be able to effectivley hybridize with their targets even when included spots containing other oligonucleotides.	
<400> 149	
ggtacgaatc tcccattgca tggacaaata tagtccacgc attggacgca cccaccgatg	60
gctctccaat	70
<210> 150	
<211> 23	
<212> DNA	
<213> Anti-alien in spike control concept. Sequences of alien genes designed by linking four 70mer alien sequences together.	
<400> 150	
ttcttaatacg actcactata ggg	23
<210> 151	
<211> 69	
<212> DNA	
<213> Anti-alien in spike control concept. Sequences of alien genes designed by linking four 70mer alien sequences together.	
<400> 151	
ccatccgggc catacgttt tagtagcgat tgtttgcccc taccagcgaa tcgcgcccag	60
ttagtaatc	69
<210> 152	
<211> 70	
<212> DNA	
<213> Anti-alien in spike control concept. Sequences of alien genes designed by linking four 70mer alien sequences together.	
<400> 152	

Mod-0037.ST25.txt

taattttggg ttgtcgaggc ataaactggt atgctcgctc cgctcgacga gcggttgcac	60
gcctatcgct	70
<210> 153	
<211> 70	
<212> DNA	
<213> Anti-alien in spike control concept. Sequences of alien genes designed by linking four 70mer alien sequences together.	
<400> 153	
tgccaccccc aatttgcctt ttgtccgggc caagagtacg acaacggggt attttggcac	60
tatataccac	70
<210> 154	
<211> 70	
<212> DNA	
<213> Anti-alien in spike control concept. Sequences of alien genes designed by linking four 70mer alien sequences together.	
<400> 154	
gcgggctctt gtgcaaactt atggggctgg ttactcgggt gtagcacgtt ttgcgaagac	60
tacgacagta	70
<210> 155	
<211> 19	
<212> DNA	
<213> Anti-alien in spike control concept. Sequences of alien genes designed by linking four 70mer alien sequences together.	
<400> 155	
aaaaaaaaaaa aaaaaaaaaa	19
<210> 156	
<211> 23	
<212> DNA	
<213> Anti-alien in spike control concept. Sequences of alien genes designed by linking four 70mer alien sequences together.	
<400> 156	
ttctaaatacg actcactata ggg	23
<210> 157	
<211> 70	
<212> DNA	
<213> Anti-alien in spike control concept. Sequences of alien genes designed by linking four 70mer alien sequences together.	
<400> 157	
catctatcta tgtcagttac cggcatgggt tatggattcg tggaccgcga tgtgacgttg	60
gggtttccac	70
<210> 158	
<211> 70	

Mod-0037.ST25.txt

<212> DNA
<213> Anti-alien in spike control concept. Sequences of alien genes designed by linking four 70mer alien sequences together.

<400> 158
tcagatgtcg ttattatcggaaggatcc gggttcactat cacggcgatt acttcgcgtt 60
gcgaaaggc 70

<210> 159
<211> 70
<212> DNA
<213> Anti-alien in spike control concept. Sequences of alien genes designed by linking four 70mer alien sequences together.

<400> 159
taattttggg ttgtcgaggc ataaactggt atgctcgctcgacga gcggttgcac 60
gcctatcgct 70

<210> 160
<211> 69
<212> DNA
<213> Anti-alien in spike control concept. Sequences of alien genes designed by linking four 70mer alien sequences together.

<400> 160
tccgcatgcg atcaacgcgt ggtcaatacg tggtagaac cggtcgacgc cagcttgacc 60
tactgcgtt 69

<210> 161
<211> 20
<212> DNA
<213> Anti-alien in spike control concept. Sequences of alien genes designed by linking four 70mer alien sequences together.

<400> 161
aaaaaaaaaaaa aaaaaaaaaa 20

<210> 162
<211> 69
<212> DNA
<213> Anti-alien in spike control concept. Sequences of alien genes designed by linking four 70mer alien sequences together.

<400> 162
ccctctcgccacgttcgc tcgtttgtt gacactactg acgggtatcc ctctaaatac 60
ttctctttt 69

<210> 163
<211> 70
<212> DNA
<213> Anti-alien in spike control concept. Sequences of alien genes designed by linking four 70mer alien sequences together.

<400> 163

Mod-0037.ST25.txt

gttaagggtc tcgaaagatt tctactctcg acgtaccgtt ggcagcgcac taagaacggg	60
taatgtgctg	70
<210> 164	
<211> 70	
<212> DNA	
<213> Anti-alien in spike control concept. Sequences of alien genes designed by linking four 70mer alien sequences together.	
<400> 164	
tattttccgg tactgagtgg aacgacatga agttggcggt caggtcgtta tttcgagcc	60
acgcaccact	70
<210> 165	
<211> 70	
<212> DNA	
<213> Anti-alien in spike control concept. Sequences of alien genes designed by linking four 70mer alien sequences together.	
<400> 165	
cggccacaac tctcaggacg catataagac gcggaaaggc atacacgtct acttagagac	60
accgagactt	70
<210> 166	
<211> 20	
<212> DNA	
<213> Anti-alien in spike control concept. Sequences of alien genes designed by linking four 70mer alien sequences together.	
<400> 166	
aaaaaaaaaaa aaaaaaaaaaa	20